

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:x

LOGINID:sssptal611txm

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Dec 17 The CA Lexicon available in the CAPLUS and CA files
NEWS 3 Feb 06 Engineering Information Encompass files have new names
NEWS 4 Feb 16 TOXLINE no longer being updated
NEWS 5 Apr 23 Search Derwent WPINDEX by chemical structure
NEWS 6 Apr 23 PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA
NEWS 7 May 07 DGENE Reload
NEWS 8 Jun 20 Published patent applications (A1) are now in USPATFULL
NEWS 9 JUL 13 New SDI alert frequency now available in Derwent's
DWPI and DPCI

NEWS EXPRESS August 15 CURRENT WINDOWS VERSION IS V6.0c,
CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP),
AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001

NEWS HOURS STN Operating Hours Plus Help Desk Availability

NEWS INTER General Internet Information

NEWS LOGIN Welcome Banner and News Items

NEWS PHONE Direct Dial and Telecommunication Network Access to STN

NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 18:03:01 ON 15 AUG 2001

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.15

0.15

FILE 'REGISTRY' ENTERED AT 18:03:25 ON 15 AUG 2001

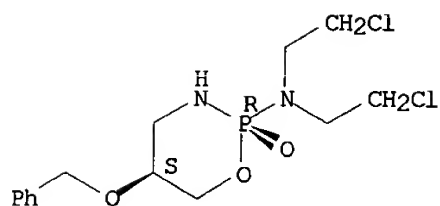
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

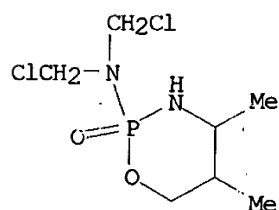
COPYRIGHT (C) 2001 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 14 AUG 2001 HIGHEST RN 351405-63-5

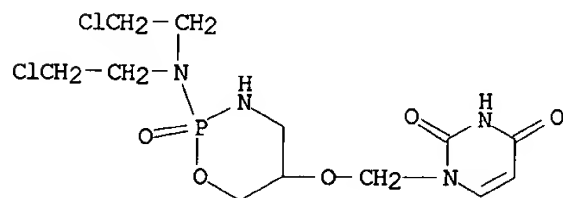
DICTIONARY FILE UPDATES: 14 AUG 2001 HIGHEST RN 351405-63-5



L2 4 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 2H-1,3,2-Oxazaphosphorine, 2-[bis(chloromethyl)amino]tetrahydro-4,5-
 dimethyl-, 2-oxide (6CI)
 MF C7 H15 Cl2 N2 O2 P



L2 4 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 2,4(1H,3H)-Pyrimidinedione, 1-[[[2-[bis(2-chloroethyl)amino]tetrahydro-2-
 oxido-2H-1,3,2-oxazaphosphorin-5-yl]oxy]methyl]- (9CI)
 MF C12 H19 Cl2 N4 O5 P



ALL ANSWERS HAVE BEEN SCANNED

=> s 11

SAMPLE SEARCH INITIATED 18:04:29 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 8 TO ITERATE

100.0% PROCESSED 8 ITERATIONS
 SEARCH TIME: 00.00.01

4 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 8 TO 329
 PROJECTED ANSWERS: 4 TO 200

L3 4 SEA SSS SAM L1

=> s 11 sss full
FULL SEARCH INITIATED 18:04:37 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 253 TO ITERATE

100.0% PROCESSED 253 ITERATIONS 96 ANSWERS
SEARCH TIME: 00.00.03

L4 96 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
133.87	134.02

FILE 'CAPLUS' ENTERED AT 18:04:51 ON 15 AUG 2001
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2001 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications.

FILE COVERS 1947 - 15 Aug 2001 VOL 135 ISS 8
FILE LAST UPDATED: 14 Aug 2001 (20010814/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

CAPLUS now provides online access to patents and literature covered in CA from 1947 to the present. On April 22, 2001, bibliographic information and abstracts were added for over 2.2 million references published in CA from 1947 to 1966.

The CA Lexicon is now available in the Controlled Term (/CT) field. Enter HELP LEXICON for full details.

Attention, the CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

=> s 14
L5 36 L4

=> s 15 and p/dt
3248467 P/DT
L6 2 L5 AND P/DT

=> s 15 not p/dt and ed20000303
3248467 P/DT

0 ED20000303
L7 0 L5 NOT P/DT AND ED20000303

=> s 15 not p/dt and ed<20000303
3248467 P/DT
9749801 ED<20000303
(ED<20000303)

L8 24 L5 NOT P/DT AND ED<20000303

=> d 16 1-2 cbib pi hitstr

L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2001 ACS

1996:506532 Document No. 125:195699 Preparation of substituted bicyclic phosphoramides as retroviral protease inhibitors. Smallheer, Joanne M. (The Dupont Merck Pharmaceutical Company, USA). U.S. US 5543517 A 19960806, 26 pp. (English). CODEN: USXXAM. APPLICATION: US 1994-181117 19940113.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5543517	A	19960806	US 1994-181117	19940113
IT	180600-00-4P 180600-01-5P 180600-02-6P 180600-03-7P 180600-04-8P 180600-05-9P 180600-06-0P 180600-07-1P				

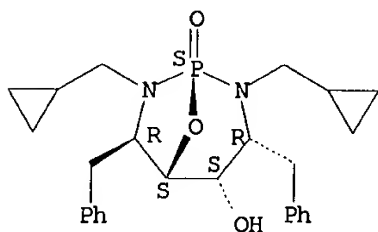
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of substituted bicyclic phosphoramides as retroviral protease inhibitors)

RN 180600-00-4 CAPLUS

CN 8-Oxa-2,7-diaza-1-phosphabicyclo[3.2.1]octan-4-ol, 2,7-bis(cyclopropylmethyl)-3,6-bis(phenylmethyl)-, 1-oxide, [1S-(3-endo,4-endo,6-exo)]- (9CI) (CA INDEX NAME)

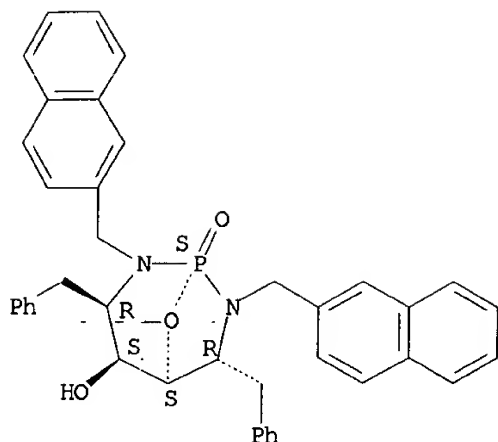
Absolute stereochemistry.



RN 180600-01-5 CAPLUS

CN 8-Oxa-2,7-diaza-1-phosphabicyclo[3.2.1]octan-4-ol, 2,7-bis(2-naphthalenylmethyl)-3,6-bis(phenylmethyl)-, 1-oxide, [1S-(3-endo,4-endo,6-exo)]- (9CI) (CA INDEX NAME)

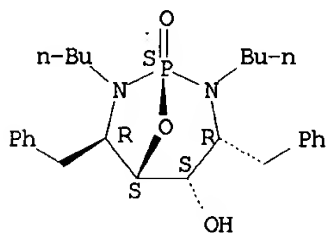
Absolute stereochemistry.



RN 180600-02-6 CAPLUS

CN 8-Oxa-2,7-diaza-1-phosphabicyclo[3.2.1]octan-4-ol, 2,7-dibutyl-3,6-bis(phenylmethyl)-, 1-oxide, [1S-(3-endo,4-endo,6-exo)]- (9CI) (CA INDEX NAME)

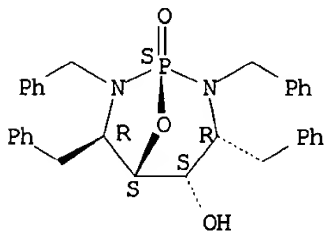
Absolute stereochemistry.



RN 180600-03-7 CAPLUS

CN 8-Oxa-2,7-diaza-1-phosphabicyclo[3.2.1]octan-4-ol, 2,3,6,7-tetrakis(phenylmethyl)-, 1-oxide, [1S-(3-endo,4-endo,6-exo)]- (9CI) (CA INDEX NAME)

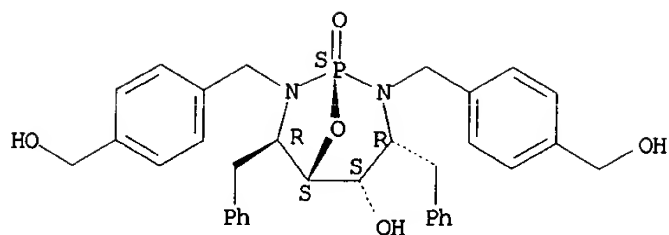
Absolute stereochemistry.



RN 180600-04-8 CAPLUS

CN 8-Oxa-2,7-diaza-1-phosphabicyclo[3.2.1]octan-4-ol, 2,7-bis[[4-(hydroxymethyl)phenyl]methyl]-3,6-bis(phenylmethyl)-, 1-oxide, [1S-(3-endo,4-endo,6-exo)]- (9CI) (CA INDEX NAME)

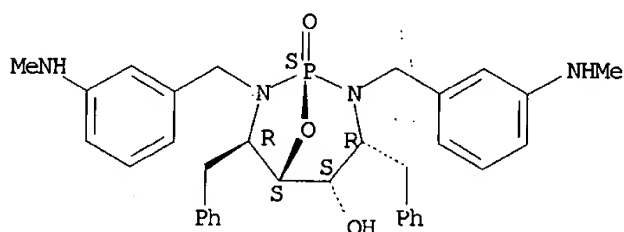
Absolute stereochemistry.



RN 180600-05-9 CAPLUS

CN 8-Oxa-2,7-diaza-1-phosphabicyclo[3.2.1]octan-4-ol, 2,7-bis[[3-(hydroxymethyl)phenyl]methyl]-3,6-bis(phenylmethyl)-, 1-oxide, [1S-(3-endo,4-endo,6-exo)]- (9CI) (CA INDEX NAME)

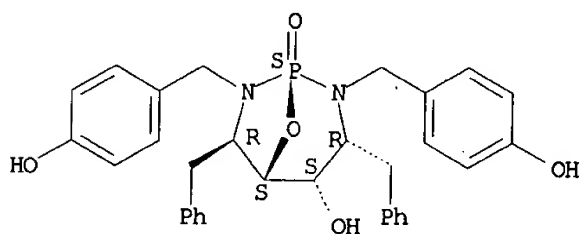
Absolute stereochemistry.



RN 180600-06-0 CAPLUS

CN 8-Oxa-2,7-diaza-1-phosphabicyclo[3.2.1]octan-4-ol, 2,7-bis[[4-(hydroxyphenyl)methyl]methyl]-3,6-bis(phenylmethyl)-, 1-oxide, [1S-(3-endo,4-endo,6-exo)]- (9CI) (CA INDEX NAME)

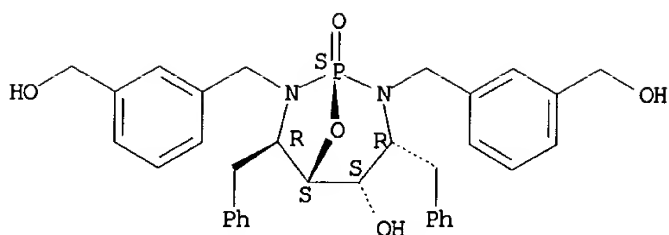
Absolute stereochemistry.



RN 180600-07-1 CAPLUS

CN 8-Oxa-2,7-diaza-1-phosphabicyclo[3.2.1]octan-4-ol, 2,7-bis[[3-(hydroxymethyl)phenyl]methyl]-3,6-bis(phenylmethyl)-, 1-oxide, [1S-(3-endo,4-endo,6-exo)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2001 ACS

1983:215800 Document No. 98:215800 Cyclophosphamide derivatives and their use. Eibl, Hansjoerg; Kolar, Cenek; Seiler, Friedrich Robert; Sedlacek, Hans Harald (Max-Planck-Gesellschaft zur Foerderung der Wissenschaften e.V., Fed. Rep. Ger.; Behringwerke A.-G.). Eur. Pat. Appl. EP 72531 A1 19830223, 32 pp. DESIGNATED STATES: R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE. (German). CODEN: EPXXDW. APPLICATION: EP 1982-107270 19820811. PRIORITY: DE 1981-3132221 19810814.

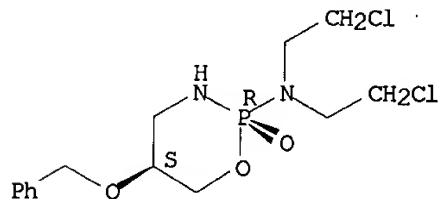
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 72531	A1	19830223	EP 1982-107270	19820811
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	DE 3132221	A1	19830519	DE 1981-3132221	19810814
	ES 514852	A1	19831101	ES 1982-514852	19820809
	DK 8203647	A	19830215	DK 1982-3647	19820813
	AU 8287170	A1	19830217	AU 1982-87170	19820813
	JP 58041892	A2	19830311	JP 1982-139982	19820813
	ZA 8205876	A	19830629	ZA 1982-5876	19820813
	HU 27654	O	19831028	HU 1982-2614	19820813
IT	85820-88-8P 85820-89-9P 85820-95-7P				
	85820-96-8P 85820-97-9P 85880-45-1P				
	85880-46-2P 85880-47-3P 85880-48-4P				
	85880-50-8P 85880-51-9P				
	RL: SPN (Synthetic preparation); PREP (Preparation)				

(prepn. and neoplasm inhibitor activity of)

RN 85820-88-8 CAPLUS

CN 2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)tetrahydro-5-(phenylmethoxy)-, 2-oxide, (2R-cis)- (9CI) (CA INDEX NAME)

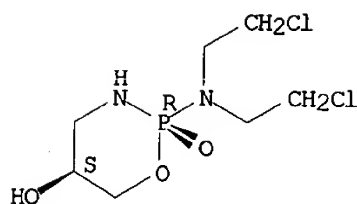
Absolute stereochemistry.



RN 85820-89-9 CAPLUS

CN 2H-1,3,2-Oxazaphosphorin-5-ol, 2-[bis(2-chloroethyl)amino]tetrahydro-, 2-oxide, (2R-cis)- (9CI) (CA INDEX NAME)

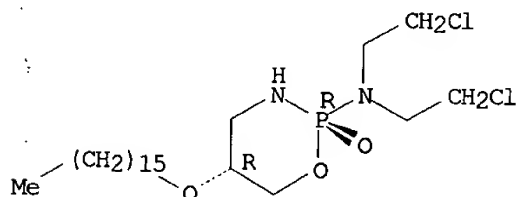
Absolute stereochemistry.



RN 85820-95-7 CAPLUS

CN 2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)-5-(hexadecyloxy)tetrahydro-, 2-oxide, trans- (9CI) (CA INDEX NAME)

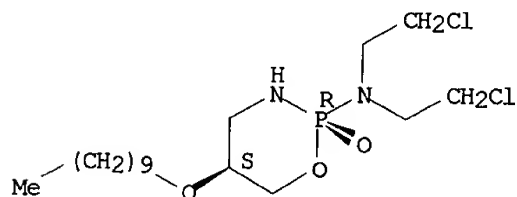
Relative stereochemistry.



RN 85820-96-8 CAPLUS

CN 2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)-5-(decyloxy)tetrahydro-, 2-oxide, cis- (9CI) (CA INDEX NAME)

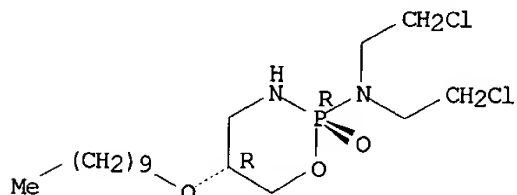
Relative stereochemistry.



RN 85820-97-9 CAPLUS

CN 2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)-5-(decyloxy)tetrahydro-, 2-oxide, trans- (9CI) (CA INDEX NAME)

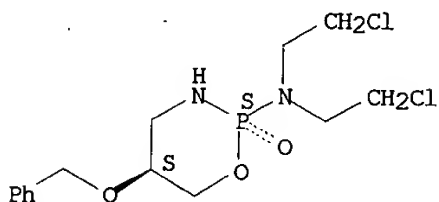
Relative stereochemistry.



RN 85880-45-1 CAPLUS

CN 2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)tetrahydro-5-(phenylmethoxy)-, 2-oxide, (2S-trans)- (9CI) (CA INDEX NAME)

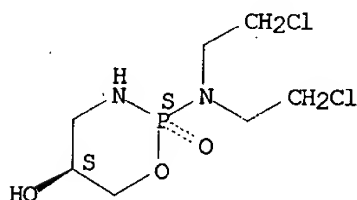
Absolute stereochemistry.



RN 85880-46-2 CAPLUS

CN 2H-1,3,2-Oxazaphosphorin-5-ol, 2-[bis(2-chloroethyl)amino]tetrahydro-, 2-oxide, (2S-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 85880-47-3 CAPLUS

RN 85880-48-4 CAPLUS

RN 85880-50-8 CAPLUS

RN 85880-51-9 CAPLUS

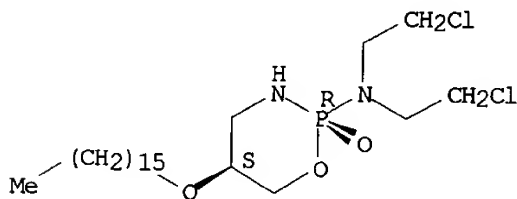
IT 85820-94-6P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and neoplasm inhibitors activity of)

RN 85820-94-6 CAPLUS

CN 2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)-5-(hexadecyloxy)tetrahydro-, 2-oxide, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



=> d 18 1-24 cbib fhitr

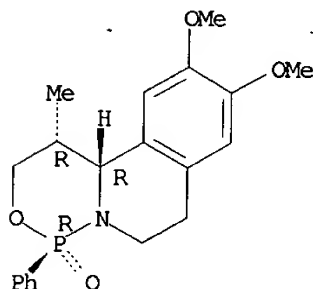
L8 ANSWER 1 OF 24 CAPLUS COPYRIGHT 2001 ACS

1999:816369 Document No. 132:180628 Synthesis and Conformational Study of 1,3,2-Oxazaphosphorino[4,3-a]isoquinolines: A New Ring System. Martinek, Tamas; Forro, Eniko; Guenther, Gabor; Sillanpaa, Reijo; Fuleop, Ferenc (Institute of Pharmaceutical Chemistry, Albert Szent-Gyorgyi Medical University, Szeged, H-6701, Hung.). J. Org. Chem., 65(2), 316-321 (English) 2000. CODEN: JOCEAH. ISSN: 0022-3263. OTHER SOURCES:

CASREACT

132:180628. Publisher: American Chemical Society.
 IT **259260-27-0P**
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (prepn. and conformational study of)
 RN 259260-27-0 CAPLUS
 CN 2H,4H-[1,3,2]Oxazaphosphorino[4,3-a]isoquinoline, 1,6,7,11b-tetrahydro-
 9,10-dimethoxy-1-methyl-4-phenyl-, 4-oxide, (1R,4R,11bR)-rel- (9CI) (CA
 INDEX NAME)

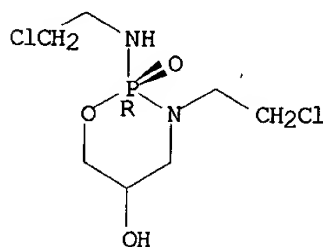
Relative stereochemistry.



L8 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2001 ACS
 1998:303795 Document No. 129:75953 Effects of phenobarbital on
 stereoselective metabolism of ifosfamide in rats. Lu, Hong; Wang, Jeff
 J.; Chan, Kenneth K.; Young, Donn (Colleges of Pharmacy and Medicine,
 Comprehensive Cancer Center, The Ohio State University, Columbus, OH,
 43210, USA). Drug Metab. Dispos., 26(5), 476-482 (English) 1998. CODEN:
 DMDSAI. ISSN: 0090-9556. Publisher: Williams & Wilkins.

IT **209266-77-3**
 RL: BPR (Biological process); BIOL (Biological study); PROC (Process)
 (phenobarbital effects on ifosfamide metab. stereoselectivity in rats)
 RN 209266-77-3 CAPLUS
 CN 2H-1,3,2-Oxazaphosphorin-5-ol, 3-(2-chloroethyl)-2-[(2-
 chloroethyl)amino]tetrahydro-, 2-oxide, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L8 ANSWER 3 OF 24 CAPLUS COPYRIGHT 2001 ACS
 1997:1504 Document No. 126:131542 Novel bicyclic phosphordiamidate HIV
 protease inhibitors. Smallheer, Joanne M.; Seitz, Steven P. (The DuPont
 Merck Pharm. Co., Inc., Wilmington, DE, 19808, USA). Heterocycles,
 43(11), 2367-2376 (English) 1996. CODEN: HTCYAM. ISSN: 0385-5414.
 OTHER

SOURCES: CASREACT 126:131542. Publisher: Japan Institute of Heterocyclic

Chemistry.

IT **180600-04-8P**

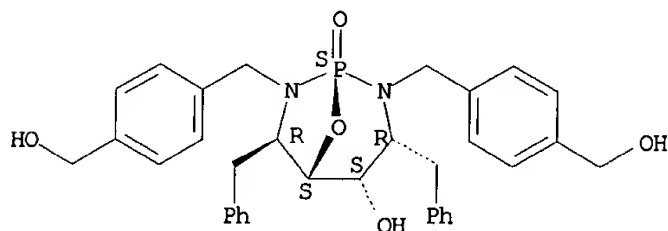
RL: BAC (Biological activity or effector, except adverse); RCT
(Reactant);

SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. of novel bicyclic phosphordiamidate HIV protease inhibitors)

RN 180600-04-8 CAPLUS

CN 8-Oxa-2,7-diaza-1-phosphabicyclo[3.2.1]octan-4-ol, 2,7-bis[[4-
(hydroxymethyl)phenyl]methyl]-3,6-bis(phenylmethyl)-, 1-oxide,
[1S-(3-endo,4-endo,6-exo)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L8 ANSWER 4 OF 24 CAPLUS COPYRIGHT 2001 ACS

1996:495792 Document No. 125:220908 Preferred conformations of
cyclophosphamide: a theoretical study. Denny, Brian J.; Schwalbe, Carl
H.

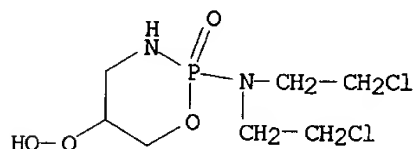
(Pharm. Sci. Inst., Aston Univ., Birmingham, B4 7ET, UK). Pharm. Sci.,
2(1), 29-32 (English) 1996. CODEN: PHSCFB. ISSN: 1356-6881.

IT **99623-69-5**

RL: PRP (Properties)
(semiempirical MO study of preferred conformations of cyclophosphamide
and derivs.)

RN 99623-69-5 CAPLUS

CN Hydroperoxide, 2-[bis(2-chloroethyl)amino]tetrahydro-2-oxido-2H-1,3,2-
oxazaphosphorin-5-yl- (9CI) (CA INDEX NAME)



L8 ANSWER 5 OF 24 CAPLUS COPYRIGHT 2001 ACS

1993:81029 Document No. 118:81029 Synthesis and anticancer screening of
diastereoisomeric 4,5-diphenyl- and 3-methyl-4,5-
diphenylcyclophosphamides. Ivanova, M.; Lyapova, M.; Astardzhieva, Z.;
Stoichkov, I. (Inst. Org. Chem., Sofia, 1040, Bulg.). Phosphorus, Sulfur
Silicon Relat. Elem., 70(3-4), 351-3 (English) 1992. CODEN: PSSLEC.
ISSN: 1042-6507. OTHER SOURCES: CASREACT 118:81029.

IT **145678-88-2P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and anticancer screening of)

RN 145678-88-2 CAPLUS

L8 ANSWER 6 OF 24 CAPLUS COPYRIGHT 2001 ACS

1992:551065 Document No. 117:151065 Asymmetric synthesis of 2-(bis(2-chloroethyl)amino)-5-benzyloxytetrahydro-2H-1,3,2-oxazaphosphorine-2-oxide. Chen, Ruyu; Zhang, Ming (Inst. Elem. Org. Chem., Nankai Univ., Tianjin, 300071, Peop. Rep. China). Gaodeng Xuexiao Huaxue Xuebao, 13(3), 352-4 (Chinese) 1992. CODEN: KTHPDM. ISSN: 0251-0790.

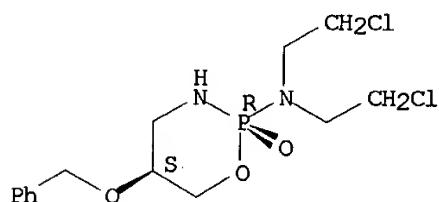
IT 85820-88-8P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 85820-88-8 CAPLUS

CN 2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)tetrahydro-5-(phenylmethoxy)-, 2-oxide, (2R-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L8 ANSWER 7 OF 24 CAPLUS COPYRIGHT 2001 ACS

1992:408021 Document No. 117:8021 Asymmetric electrophilic amination of chiral phosphorus-stabilized anions. Denmark, Scott E.; Chatani, Naoto; Pansare, Sunil V. (Dep. Chem., Univ. Illinois, Urbana, IL, 61801, USA). Tetrahedron, 48(11), 2191-2208 (English) 1992. CODEN: TETRAB. ISSN: 0040-4020. OTHER SOURCES: CASREACT 117:8021.

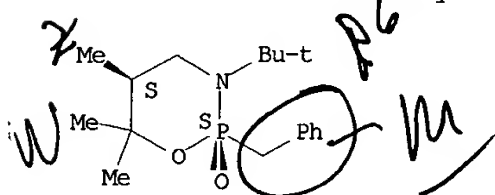
IT 141648-93-3P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 141648-93-3 CAPLUS

CN 2H-1,3,2-Oxazaphosphorine, 3-(1,1-dimethylethyl)tetrahydro-5,6,6-trimethyl-2-(phenylmethyl)-, 2-oxide, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



1, 9, 17, 18, 20

L8 ANSWER 8 OF 24 CAPLUS COPYRIGHT 2001 ACS

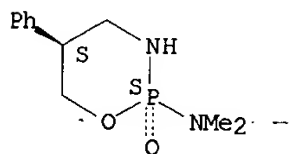
1991:608084 Document No. 115:208084 Axial and equatorial substitution of dimethylamine on phosphorus in the 1,3,2-oxazaphosphorinane ring system: structures of 2-dimethylamino-phenyl-2H-1,3,2-oxazaphosphorinane-2-oxides.

Shih, Yun Er; Liu, Yi Fang; Wang, Jy Shih; Liu, Ling Kang (Inst. Chem., Acad. Sin., Taipei, Taiwan). J. Chin. Chem. Soc. (Taipei), 38(4), 357-63 (English) 1991. CODEN: JCCTAC. ISSN: 0009-4536.

IT 136695-72-2P

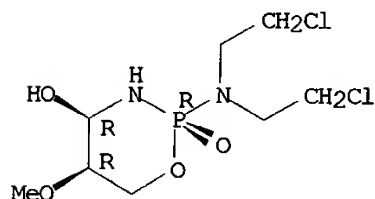
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (prepn. and crystal structure of)
 RN 136695-72-2 CAPLUS
 CN 2H-1,3,2-Oxazaphosphorin-2-amine, tetrahydro-N,N-dimethyl-5-phenyl-,
 2-oxide, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.

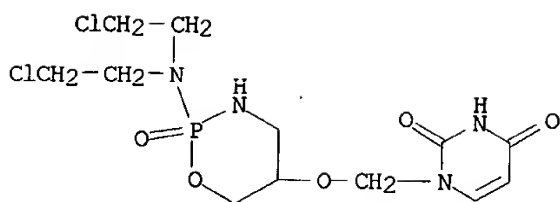


L8 ANSWER 9 OF 24 CAPLUS COPYRIGHT 2001 ACS
 1991:583451 Document No. 115:183451 Synthesis and antitumor properties of
 activated cyclophosphamide analogs. Borch, Richard F.; Canute, Gregory
 W.
 (Dep. Pharmacol., Univ. Rochester, Rochester, NY, 14642, USA). J. Med.
 Chem., 34(10), 3044-52 (English) 1991. CODEN: JMCMAR. ISSN: 0022-2623.
 IT **136235-80-8P**
 RL: PREP (Preparation)
 (formation and phosphorus-31 NMR of, in equil. mixt.)
 RN 136235-80-8 CAPLUS
 CN 2H-1,3,2-Oxazaphosphorin-4-ol, 2-[bis(2-chloroethyl)amino]tetrahydro-5-
 methoxy-, 2-oxide, (2.alpha.,4.alpha.,5.alpha.)- (9CI) (CA INDEX NAME)

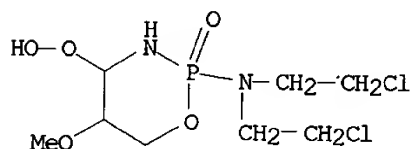
Relative stereochemistry.



L8 ANSWER 10 OF 24 CAPLUS COPYRIGHT 2001 ACS
 1990:612552 Document No. 113:212552 The syntheses of purine and pyrimidine
 secoribonucleosides. Acyclouridine derivative of cyclophosphamide.
 Zakerinia, Maryam; Davary, Hady; Hakimelahi, Gholam H. (Chem. Dep.,
 Shiraz
 Univ., Shiraz, Iran). Helv. Chim. Acta, 73(4), 912-15 (English) 1990.
 CODEN: HCACAV. ISSN: 0018-019X.
 IT **130278-00-1P**
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 130278-00-1 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 1-[[[2-[bis(2-chloroethyl)amino]tetrahydro-2-
 oxido-2H-1,3,2-oxazaphosphorin-5-yl]oxy]methyl]- (9CI) (CA INDEX NAME)

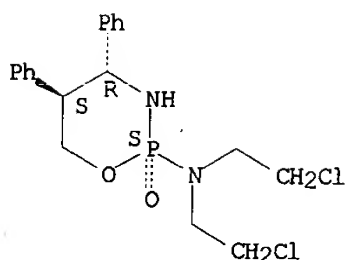


L8 ANSWER 11 OF 24 CAPLUS COPYRIGHT 2001 ACS
 1990:77337 Document No. 112:77337 Fast-atom-bombardment mass spectra of
 5-substituted-4-hydroperoxycyclophosphamides. Phillips, Lawrence R.;
 Zon,
 Gerald; Bone, William M.; Boyd, Victoria L.; Ludeman, Susan M. (Cent.
 Biol. Eval. Res., FDA, Bethesda, MD, 20892, USA). Org. Mass Spectrom.,
 24(5), 347-9 (English) 1989. CODEN: ORMSBG. ISSN: 0030-493X.
 IT **105028-37-3**
 RL: PRP (Properties)
 (fast-atom-bombardment mass spectra of)
 RN 105028-37-3 CAPLUS
 CN Hydroperoxide,
 2-[bis(2-chloroethyl)amino]tetrahydro-5-methoxy-2-oxido-2H-
 1,3,2-oxazaphosphorin-4-yl (9CI) (CA INDEX NAME)



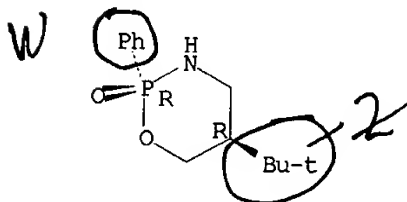
L8 ANSWER 12 OF 24 CAPLUS COPYRIGHT 2001 ACS
 1989:553915 Document No. 111:153915 NMR spectra and stereochemistry of
 diastereoisomeric 4,5-diphenylcyclophosphamides. Spassov, S.; Lyapova,
 M.; Ivanova, M. (Cent. Phytochem., Inst. Org. Chem., Sofia, 1040, Bulg.).
 Phosphorus Sulfur, 37(3-4), 199-204 (English) 1988. CODEN: PREEDF.
 ISSN:
 0308-664X.
 IT **122833-46-9**
 RL: PRP (Properties)
 (conformation and relative configuration of, NMR and IR study of)
 RN 122833-46-9 CAPLUS
 CN 2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)tetrahydro-4,5-
 diphenyl-, 2-oxide, (2.alpha.,4.alpha.,5.beta.)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



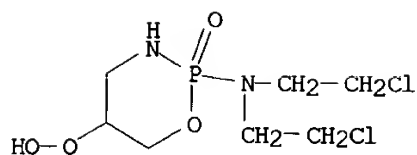
L8 ANSWER 13 OF 24 CAPLUS COPYRIGHT 2001 ACS
 1988:549650 Document No. 109:149650 Conformations of saturated six-membered
 ring phosphorus heterocycles.
 2-Aryl-1,3,2- λ 5-oxazaphosphorinanes.
 Bentrude, Wesley G.; Setzer, William N.; Sopchik, Alan E.;
 Chandrasekaran,
 Subramanian; Ashby, Michael T. (Dep. Chem., Univ. Utah, Salt Lake City,
 UT, 84112, USA). J. Am. Chem. Soc., 110(21), 7119-27 (English) 1988.
 CODEN: JACSAT. ISSN: 0002-7863. OTHER SOURCES: CASREACT 109:149650.
 IT **116005-11-9P**
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. and spectral conformational anal. of)
 RN 116005-11-9 CAPLUS
 CN 2H-1,3,2-Oxazaphosphorine, 5-(1,1-dimethylethyl)tetrahydro-2-phenyl-,
 2-oxide, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



1, 9, 17, 18, 20

L8 ANSWER 14 OF 24 CAPLUS COPYRIGHT 2001 ACS
 1988:447920 Document No. 109:47920 Changes in chemosensitivity of K 562
 leukemia cells after induction of erythroid differentiation by hemin.
 Toffoli, Giuseppe; Lorico, Aurelio; Boiocchi, Mauro (Cent. Riferimento
 Oncol., Pordenone, 33081, Italy). Tumori, 74(1), 11-17 (English) 1988.
 CODEN: TUMOAB. ISSN: 0300-8916.
 IT **99623-69-5**
 RL: BIOL (Biological study)
 (leukemia cell sensitivity to, hemin-induced erythroid differentiation
 decrease of)
 RN 99623-69-5 CAPLUS
 CN Hydroperoxide, 2-[bis(2-chloroethyl)amino]tetrahydro-2-oxido-2H-1,3,2-
 oxazaphosphorin-5-yl- (9CI) (CA INDEX NAME)



L8 ANSWER 15 OF 24 CAPLUS COPYRIGHT 2001 ACS

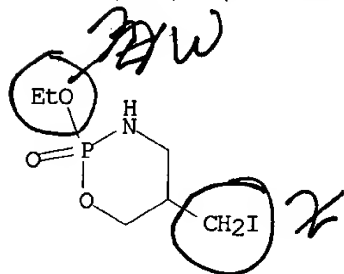
1988:131924 Document No. 108:131924 Structural effects on the iodolactonization of unsaturated organophosphorus compounds. Ye, Mao Chun; Chai, Wen Gang; Li, Li Pou; Zhao, Yu Fen (Inst. Chem., Acad. Sin., Beijing, Peop. Rep. China). Tetrahedron Lett., 28(23), 2615-18 (English) 1987. CODEN: TELEAY. ISSN: 0040-4039. OTHER SOURCES: CASREACT 108:131924.

IT 113365-67-6P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 113365-67-6 CAPLUS

CN 2H-1,3,2-Oxazaphosphorine, 2-ethoxytetrahydro-5-(iodomethyl)-, 2-oxide (9CI) (CA INDEX NAME)



L8 ANSWER 16 OF 24 CAPLUS COPYRIGHT 2001 ACS

1987:84741 Document No. 106:84741 Synthesis and structure of 6-phenylcyclophosphamides. Shih, Yun Er; Wang, Jy Shih; Liu, Ling Kang (Inst. Chem., Acad. Sin., Taipei, 11529, Taiwan). Heterocycles, 24(6), 1599-603 (English) 1986. CODEN: HTCYAM. ISSN: 0385-5414. OTHER SOURCES:

CASREACT 106:84741.

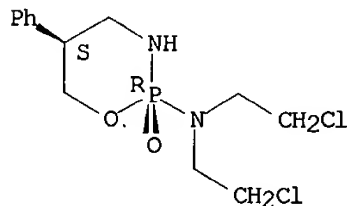
IT 96023-57-3

RL: PROC (Process)
(IR and phosphorus 31 NMR of)

RN 96023-57-3 CAPLUS

CN 2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)tetrahydro-5-phenyl-, 2-oxide, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L8 ANSWER 17 OF 24 CAPLUS COPYRIGHT 2001 ACS
1986:583425 Document No. 105:183425 Synthesis of reactive
metabolite-analogs

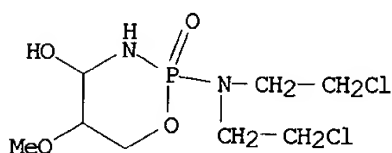
of cyclophosphamide for comparisons of NMR kinetic parameters and
anticancer screening data. Ludeman, S. M.; Boyd, V. L.; Regan, J. B.;
Gallo, K. A.; Zon, G.; Ishii, K. (Dep. Chem., Cathol. Univ. America,
Washington, DC, 20064, USA). Drugs Exp. Clin. Res., 12(6-7), 527-32
(English) 1986. CODEN: DECRDP. ISSN: 0378-6501.

IT 105047-74-3P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and NMR and neoplasm inhibiting activity of)

RN 105047-74-3 CAPLUS

CN 2H-1,3,2-Oxazaphosphorin-4-ol, 2-[bis(2-chloroethyl)amino]tetrahydro-5-
methoxy-, 2-oxide (9CI) (CA INDEX NAME)



L8 ANSWER 18 OF 24 CAPLUS COPYRIGHT 2001 ACS

1986:572602 Document No. 105:172602 Conformations of saturated
six-membered-ring phosphorus heterocycles related to cyclophosphamide.
NMR, x-ray, and infrared studies of 2-methoxy-2-oxo-1,3,2-
oxazaphosphorinane and 2-thio-1,3,2-oxazaphosphorinane. Bentrude, Wesley
G.; Setzer, William N.; Sopchik, Alan E.; Bajwa, Gurdip S.; Burright,
Donald D.; Hutchinson, John P. (Dep. Chem., Univ. Utah, Salt Lake City,
UT, 84112, USA). J. Am. Chem. Soc., 108(21), 6669-75 (English) 1986.
CODEN: JACSAT. ISSN: 0002-7863.

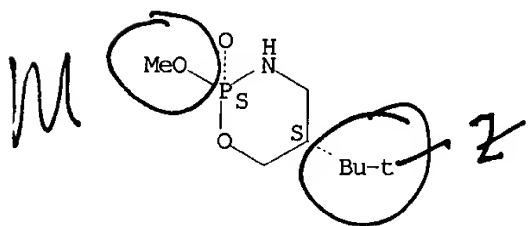
IT 103752-04-1P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and conformation of)

RN 103752-04-1 CAPLUS

CN 2H-1,3,2-Oxazaphosphorine, 5-(1,1-dimethylethyl)tetrahydro-2-methoxy-,
2-oxide, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



1, 17, 18, 20, 165

L8 ANSWER 19 OF 24 CAPLUS COPYRIGHT 2001 ACS

1986:68951 Document No. 104:68951 Chemical ionization induced competing and
consecutive heterolytic ring cleavages in the mass spectra of substituted,
tetrahydro-1,3,2-oxazaphosphorin 2-oxides. Kulkarni, P. S.; Gogte, V.

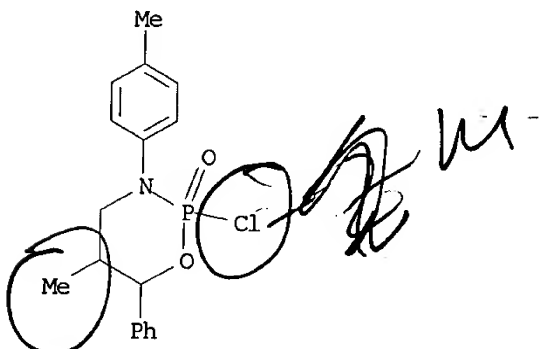
N.;

Modak, A. S.; Sahasrabudhe, S. D.; Tilak, B. D. (Natl. Chem. Lab., Poona,
411 008, India). Org. Mass Spectrom., 20(7), 454-7 (English) 1985.

CODEN: ORMSBG. ISSN: 0030-493X.

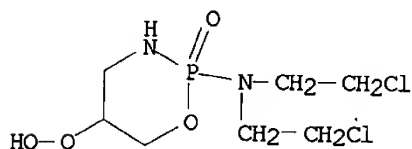
IT 89410-12-8P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 89410-12-8 CAPLUS
 CN 2H-1,3,2-Oxazaphosphorine,
 2-chlorotetrahydro-5-methyl-3-(4-methylphenyl)-
 6-phenyl-, 2-oxide (9CI) (CA INDEX NAME)



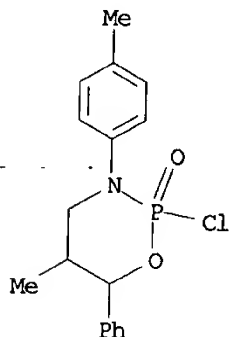
L8 ANSWER 20 OF 24 CAPLUS COPYRIGHT 2001 ACS
 1986:28473 Document No. 104:28473 Scheduling effects of vinblastine
 containing 2-drug combinations on normal bone marrow and tumor progenitor
 cells. Hug, Verena; Spitzer, G.; Drewinko, B.; Johnston, D.; Thames, H.;
 Blumenschein, G. (Med. Breast Serv., Anderson Hosp., Houston, TX, 77030,
 USA). Proc. Int. Congr. Chemother., 13th, Volume 18, 291/39-291/42.
 Editor(s): Spitzzy, K. H.; Karrer, K. Verlag H. Egermann: Vienna,
 Austria.
 (English) 1983. CODEN: 53XPA8.

IT 99623-69-5
 RL: BIOL (Biological study)
 (cytotoxicity of other neoplasm inhibitors combination with, to bone
 marrow and neoplasm of humans, vinblastine effect on, scheduling in)
 RN 99623-69-5 CAPLUS
 CN Hydroperoxide, 2-[bis(2-chloroethyl)amino]tetrahydro-2-oxido-2H-1,3,2-
 oxazaphosphorin-5-yl- (9CI) (CA INDEX NAME)



L8 ANSWER 21 OF 24 CAPLUS COPYRIGHT 2001 ACS
 1985:166840 Document No. 102:166840 Synthesis of heterocyclic compounds:
 part XXVII - synthesis of 3,6-diaryl- and alkyl/aryltetrahydro-1,3,2-
 oxazaphosphorin 2-oxides. Modak, A. S.; Sahasrabudhe, S. D.; Tilak, B.
 D.
 (Natl. Chem. Lab., Pune, 411 008, India). Indian J. Chem., Sect. B,
 23B(10), 980-2 (English) 1984. CODEN: IJSBDB. ISSN: 0376-4699.
 IT 89410-12-8P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)

RN 89410-12-8 CAPLUS
 CN 2H-1,3,2-Oxazaphosphorine,
 2-chlorotetrahydro-5-methyl-3-(4-methylphenyl)-
 6-phenyl-, 2-oxide (9CI) (CA INDEX NAME)



L8 ANSWER 22 OF 24 CAPLUS COPYRIGHT 2001 ACS
 1985:166713 Document No. 102:166713 Synthesis and structure of
 5-phenylcyclophosphamides. Shih, Yun Er; Wang, Jy Shih; Liu, Ling Kang
 (Inst. Chem., Acad. Sin., Taipei, Taiwan). Heterocycles, 22(12),
 2799-803
 (English) 1984. CODEN: HTCYAM. ISSN: 0385-5414.

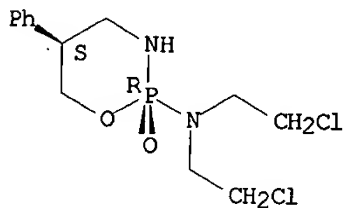
IT **96023-57-3P**

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (prepn. and crystal structure of)

RN 96023-57-3 CAPLUS

CN 2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)tetrahydro-5-
 phenyl-, 2-oxide, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L8 ANSWER 23 OF 24 CAPLUS COPYRIGHT 2001 ACS
 1985:149382 Document No. 102:149382 Conformations of saturated six-membered
 ring phosphorus heterocycles. Chair-chair equilibria for
 cyclophosphamide, the 5,5-dimethyl derivative, and related
 1,3,2-oxazaphosphorinanes. Relative conformational energies of nitrogen
 mustard and other R₂N groups attached to phosphorus. Setzer, William N.;
 Sopchik, Alan E.; Bentrude, Wesley G. (Dep. Chem., Univ. Utah, Salt Lake
 City, UT, 84112, USA). J. Am. Chem. Soc., 107(7), 2083-91 (English)
 1985.

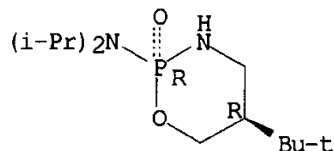
CODEN: JACSAT. ISSN: 0002-7863. OTHER SOURCES: CASREACT 102:149382.

IT **94859-54-8**

RL: PRP (Properties)
 (conformation of)

RN 94859-54-8 CAPLUS
 CN 2H-1,3,2-Oxazaphosphorin-2-amine, 5-(1,1-dimethylethyl)tetrahydro-N,N-bis(1-methylethyl)-, 2-oxide, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L8 ANSWER 24 OF 24 CAPLUS COPYRIGHT 2001 ACS
 1984:415360 Document No. 101:15360 Structure of
 2-chloro-5-methyl-6-phenyl-3-(p-tolyl)perhydro-1,3,2.lambda.5-oxazaphosphorine 2-oxide, C17H19ClNO2P.
 Acharya, K. R.; Tavale, S. S.; Row, T. N. Guru (Phys. Chem. Div., Natl. Chem. Lab., Pune, 411 008, India). Acta Crystallogr., Sect. C: Cryst. Struct. Commun., C40(5), 875-7 (English) 1984. CODEN: ACSCEE. ISSN: 0108-2701.

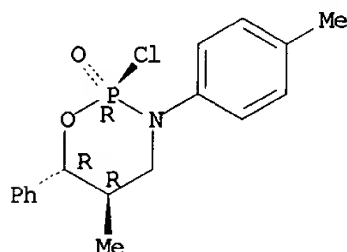
IT 90528-18-0

RL: PRP (Properties)
 (structure of)

RN 90528-18-0 CAPLUS

CN 2H-1,3,2-Oxazaphosphorine,
 2-chlorotetrahydro-5-methyl-3-(4-methylphenyl)-
 6-phenyl-, 2-oxide, (2.alpha.,5.alpha.,6.beta.)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:.

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

83.63

217.65

STN INTERNATIONAL LOGOFF AT 18:07:46 ON 15 AUG 2001

=> s cytallene

L6 1 CYTALLENE

=> d str

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS

